



PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Books	
Search		Protein	for					Go	Clear
Limits		Preview/Index		History		Clipboard		Details	
Display	default	Save	Text	Add to Clipboard					

☐ 1: P06731. CARCINOEMBRYONIC ...[gi:115940]

BLink, OMIM, Related Sequences, PubMed,
Taxonomy, LinkOut

LOCUS CCEM_HUMAN 702 aa PRI 30-MAY-2000
 DEFINITION CARCINOEMBRYONIC ANTIGEN PRECURSOR (CEA) (MECONIUM ANTIGEN 100)
 (CD66E ANTIGEN).
 ACCESSION P06731
 PID g115940
 VERSION P06731 GI:115940
 DBSOURCE swissprot: locus CCEM_HUMAN, accession P06731;
 class: standard.
 created: Jan 1, 1988.
 sequence updated: Dec 1, 1992.
 annotation updated: May 30, 2000.
 xrefs: gi: gi: 178676, gi: gi: 178677, gi: gi: 180207, gi: gi:
 180211, gi: gi: 180200, gi: gi: 180201, gi: gi: 180202, gi: gi:
 180203, gi: gi: 180204, gi: gi: 180205, gi: gi: 180206, gi: gi:
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 29854, gi: gi: 825638, gi: gi: 180198, gi: gi: 180199, gi: gi:
 180240, gi: gi: 180241, gi: gi: 87039
 xrefs (non-sequence databases): MIM 114890, PFAM PF00047
 KEYWORDS Immunoglobulin domain; Glycoprotein; GPI-anchor; Membrane; Signal.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (residues 1 to 702)
 AUTHORS Schrewe,H., Thompson,J., Bona,M., Hefta,L.J., Maruya,A.,
 Hassauer,M., Shively,J.E., von Kleist,S. and Zimmermann,W.
 TITLE Cloning of the complete gene for carcinoembryonic antigen: analysis
 of its promoter indicates a region conveying cell type-specific
 expression
 JOURNAL Mol. Cell. Biol. 10 (6), 2738-2748 (1990)
 MEDLINE 90258861
 REMARK SEQUENCE FROM N.A.
 REFERENCE 2 (residues 1 to 702)
 AUTHORS Beauchemin,N., Benchimol,S., Cournoyer,D., Fuks,A. and
 Stanners,C.P.
 TITLE Isolation and characterization of full-length functional cDNA
 clones for human carcinoembryonic antigen
 JOURNAL Mol. Cell. Biol. 7 (9), 3221-3230 (1987)
 MEDLINE 88038876
 REMARK SEQUENCE FROM N.A.
 REFERENCE 3 (residues 1 to 702)
 AUTHORS Barnett,T., Goebel,S.J., Nothdurft,M.A. and Elting,J.J.
 TITLE Carcinoembryonic antigen family: characterization of cDNAs coding
 for NCA and CEA and suggestion of nonrandom sequence variation in
 their conserved loop-domains
 JOURNAL Genomics 3 (1), 59-66 (1988)
 MEDLINE 89122014
 REMARK SEQUENCE FROM N.A.
 REFERENCE 4 (residues 1 to 702)
 AUTHORS Oikawa,S., Nakazato,H. and Kosaki,G.

TITLE Primary structure of human carcinoembryonic antigen (CEA) deduced from cDNA sequence

JOURNAL Biochem. Biophys. Res. Commun. 142 (2), 511-518 (1987)

MEDLINE 87128144

REMARK SEQUENCE OF 5-702 FROM N.A.

REFERENCE 5 (residues 1 to 702)

AUTHORS Zimmermann,W., Ortlieb,B., Friedrich,R. and von Kleist,S.

TITLE Isolation and characterization of cDNA clones encoding the human carcinoembryonic antigen reveal a highly conserved repeating structure

JOURNAL Proc. Natl. Acad. Sci. U.S.A. 84 (9), 2960-2964 (1987)

MEDLINE 87204247

REMARK SEQUENCE OF 331-702 FROM N.A.

COMMENT

This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation - the European Bioinformatics Institute. The original entry is available from <http://www.expasy.ch/sprot> and <http://www.ebi.ac.uk/sprot>

[SUBCELLULAR LOCATION] ATTACHED TO THE MEMBRANE BY A GPI-ANCHOR.

[TISSUE SPECIFICITY] FOUND IN ADENOCARCINOMAS OF ENDODERMALLY DERIVED DIGESTIVE SYSTEM EPITHELIUM AND FETAL COLON.

[PTM] COMPLEX IMMUNOREACTIVE GLYCOPROTEIN WITH A MW OF 180 KDA COMPRISING 60% CARBOHYDRATE.

[SIMILARITY] BELONGS TO THE IMMUNOGLOBULIN SUPERFAMILY. CONTAINS 7 IG-LIKE DOMAINS. BELONGS TO THE CARCINOEMBRYONIC ANTIGEN SUBFAMILY.

[DATABASE] NAME=PROW; NOTE=CD guide CD66e entry;

WWW='http://www.ncbi.nlm.nih.gov/prow/cd/cd66e.htm'.

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ORIGIN

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361 qslpvsprrl lsndnrtltl lsvtrndvvp yecgignels vdhsdpviln vlygpdpti
421 spsytyyrrg vnlslschaa snppaqyswl idgniqqhtq elfisnitek nsglytcqan
481 nsasghsrtt vktitvsacl pkpsissnns kpvedkdava ftcepeaqnt tylwwvngqs
541 lpvsprrqls ngntltlfn vtrndarayv cgignsvsan rsdpvtldvl ygpdtpiisp
601 pdssylsgan lnlschsaen pspqyswrin gipqqhtqvl fiakitpnnn gtyacfvsnl
661 atgrnnsivk sitvsasgts pglsgatvg imigvlvgva li
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Revised: October 24, 2001.

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